

# INTERNATIONAL SEARCH REPORT

PCT/IB 03/02767

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/35

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02F H01L C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, IBM-TDB, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEN Y-C ET AL: "Ultrafast optical switch properties of single-wall carbon nanotube polymer composites at 1.55 /spl mu/m" CONFERENCE ON LASERS AND ELECTRO-OPTICS. (CLEO 2002). TECHNICAL DIGEST. POSTCONFERENCE EDITION. LONG BEACH, CA, MAY 19 - 24, 2002, TRENDS IN OPTICS AND PHOTONICS. (TOPS), WASHINGTON, WA: OSA, US, vol. 73, 19 May 2002 (2002-05-19), pages 660-660, XP010607190 ISBN: 1-55752-706-7 the whole document --- -/--	1,2,4-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the International search

31 October 2003

Date of mailing of the international search report

13/11/2003

Name and mailing address of the ISA

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G.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BRENNAN M E ET AL: "Nonlinear photoluminescence from multiwalled carbon nanotubes" LINEAR AND NONLINEAR OPTICS OF ORGANIC MATERIALS, SAN DIEGO, CA, USA, 1-2 AUG. 2001, vol. 4461, pages 56-64, XP008023987 Proceedings of the SPIE - The International Society for Optical Engineering, 2001, SPIE-Int. Soc. Opt. Eng, USA ISSN: 0277-786X	1,4,5
Y	* sections 1.2, 1.4, 2.3, 3.2, 3.5 * figure 3	2,3
Y	WEI Y Y ET AL: "EFFECT OF CATALYST FILM THICKNESS ON CARBON NANOTUBE GROWTH BY SELECTIVE AREA CHEMICAL VAPOR DEPOSITION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 78, no. 10, 5 March 2001 (2001-03-05), pages 1394-1396, XP001012115 ISSN: 0003-6951 the whole document	2,3
X	ZHAOXIA JIN ET AL.: "NONLINEAR OPTICAL PROPERTIES OF SOME POLYMER/MULTI-WALLED CARBON NANOTUBE COMPOSITES" CHEMICAL PHYSICS LETTERS, vol. 318, 3 March 2000 (2000-03-03), pages 505-510, XP002259940 * Section 1 * page 510, left-hand column, line 12 - line 17	1,5,6
A	EP 1 215 528 A (EVIDENT TECHNOLOGIES) 19 June 2002 (2002-06-19) column 5, line 15 - line 46 column 6, line 35 -column 7, line 54; figures 1,2	1-9

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1215528	A	19-06-2002	US	2003099428 A1	29-05-2003
			EP	1215528 A2	19-06-2002
			JP	2002277912 A	25-09-2002
			US	2002076128 A1	20-06-2002

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